VOLUME 74 · CONTENTS

No 1 JULY 1995

Page

Editorials

1 Pulmonary autograft replacement of the aortic valve *S Westaby*

4 Three-dimensional echocardiography: new views from old windows *J R T C Roelandt*

7 Cardiac pacing: the service should be as local as the anaesthetic *D Pitcher*

9 Permanent pacemakers and the elderly: concerns, costs and benefits *J M McComb, R S Bexton*

Commentaries

11 Risks and results of surgery *T Treasure*

13 Statins: is there a need for alternative or adjunctive therapy? *J Shepherd*

Original articles

14 Long-term safety of statin-fibrate combination treatment in the management of hypercholesterolaemia in patients with coronary artery disease *M D Feher, J Foxton, D Banks, A F Lant, R Wray*

18 Serum lipids four weeks after acute myocardial infarction are a valid basis for lipid lowering intervention in patients receiving thrombolysis *R Carlsson, G Lindberg, L Westin, B Israelsson*

21 Baroreflex sensitivity and neurohormonal activation in patients with acute myocardial infarction *J Hartikainen, F Fyhrquist, K Tahvanainen, E Länsimies, K Pyörälä*

27 Perfusion/ventilation mismatch during exercise in chronic heart failure: an investigation of circulatory determinants *A P Banning, N P Lewis, D B Northridge, J S Elborn, A H Henderson*

34 Cross sectional profiles of systolic flow velocities in left ventricular outflow tract of normal subjects *M Kupari, P Hekali, V-P Poutanen*

40 Clinical and prognostic evaluation of familial hypertrophic cardiomyopathy in two South African families with different cardiac β myosin heavy chain gene mutations *B M Posen, J C Moolman, V A Corfield, P A Brink*

47 Insulin resistance syndrome in postmenopausal women with cardiological syndrome X *I F Godsland, D Crook, J C Stevenson, P Collins, G M C Rosano, B Lees, M Sidhu, P A Poole-Wilson*

53 Concentration dependent cardiotoxicity of terodiline in patients treated for urinary incontinence *S H L Thomas, P D Higham, K Hartigan-Go, F Kamali, P Wood, R W F Campbell, G A Ford*

57 Corrected transposition of the great arteries without associated defects in adult patients: clinical profile and follow up *P Presbitero, J Somerville, F Rabajoli, S Stone, M R Conte*

60 Diagnosis of congenital pericardial defects, including a pathognomic sign for dangerous apical ventricular herniation, on magnetic resonance imaging *I Gassner, W Judmaier, C Fink, M Lener, F Waldenberger, H Scharfetter, I Hammerer*

67 Provocative testing and drug response in a patient with the long QT syndrome *M Kawade, T Ohe, T Kamiya*

Audit

71 Early discharge after acute myocardial infarction: risks and benefits *P Wilkinson, R Stevenson, K Ranjadayalan, B Marchant, R Roberts, A D Timmis*

76 Dual chamber pacing: how many patients remain in DDD mode over the long term? *B Ibrahim, J E Sanderson, B Wright, R Palmer*

Measurement

80 Interobserver variability in the detection of spontaneous echo contrast, left atrial thrombi, and left atrial appendage thrombi by transoesophageal echocardiography *G Kronik, C Stöllberger, M Schuh, F Abzieher, J Slany, B Schneider*

84 Comparison of automatic QT measurement techniques in the normal 12 lead electrocardiogram *N B McLaughlin, R W F Campbell, A Murray*

Case reports

90 Coronary stenting in the management of myocardial ischaemia caused by muscle bridging *R H Stables, C J Knight, J G McNeill, U Sigwart*

93 Aortopulmonary collateral arteries mimicking symptomatic ductal shunting in a preterm infant *J R Skinner, E D Silove*

Short cases in cardiology

95 An intrathoracic lipoma impairing left ventricular function *C I A Jack, M E G Blohm, M Lye*

Images in cardiology (70) • Letters to the Editor • Notice

No 2 AUGUST 1995

Editorials

97 The case for concomitant carotid and coronary artery surgery *C W Akins*

99 The difficulties of assessing right ventricular function *P Oldershaw, A Bishop*

Commentary

101 Reinjection of thallium for detection of viable myocardium: why not do it immediately? *B L F van Eck-Smit, E E van der Wall*

Viewpoint

103 Echocardiographic detection of congenital heart disease in the fetus: present and future *L D Allan*

Review

107 Anticoagulants in pregnancy *C M Oakley*

Exemplar

112 Myocardial infarction resulting from coronary artery dissection in an adolescent with Ehlers-Danlos syndrome type IV due to a type III collagen mutation *L C Adès, R D Waltham, A A Chiodo, J F Bateman*

Original articles

117 Efficacy of long-term anticoagulant treatment in subgroups of patients after myocardial infarction *P F M M van Bergen, J W Deckers, J J C Jonker, R T van Domburg, A J Azar, A Hofman*

122 Neutralising antibodies after streptokinase treatment for myocardial infarction: a persisting puzzle *K McGrath, C Hogan, D Hunt, C O'Malley, N Green, R Dauer, A Dalli*

VOLUME 74 · CONTENTS

No 1 JULY 1995

Page

Editorials

1 Pulmonary autograft replacement of the aortic valve *S Westaby*

4 Three-dimensional echocardiography: new views from old windows *J R T C Roelandt*

7 Cardiac pacing: the service should be as local as the anaesthetic *D Pitcher*

9 Permanent pacemakers and the elderly: concerns, costs and benefits *J M McComb, R S Bexton*

Commentaries

11 Risks and results of surgery *T Treasure*

13 Statins: is there a need for alternative or adjunctive therapy? *J Shepherd*

Original articles

14 Long-term safety of statin-fibrate combination treatment in the management of hypercholesterolaemia in patients with coronary artery disease *M D Feher, J Foxton, D Banks, A F Lant, R Wray*

18 Serum lipids four weeks after acute myocardial infarction are a valid basis for lipid lowering intervention in patients receiving thrombolysis *R Carlsson, G Lindberg, L Westin, B Israelsson*

21 Baroreflex sensitivity and neurohormonal activation in patients with acute myocardial infarction *J Hartikainen, F Fyhrquist, K Tahvanainen, E Länsimies, K Pyörälä*

27 Perfusion/ventilation mismatch during exercise in chronic heart failure: an investigation of circulatory determinants *A P Banning, N P Lewis, D B Northridge, J S Elborn, A H Henderson*

34 Cross sectional profiles of systolic flow velocities in left ventricular outflow tract of normal subjects *M Kupari, P Hekali, V-P Poutanen*

40 Clinical and prognostic evaluation of familial hypertrophic cardiomyopathy in two South African families with different cardiac β myosin heavy chain gene mutations *B M Posen, J C Moolman, V A Corfield, P A Brink*

47 Insulin resistance syndrome in postmenopausal women with cardiological syndrome X *I F Godsland, D Crook, J C Stevenson, P Collins, G M C Rosano, B Lees, M Sidhu, P A Poole-Wilson*

53 Concentration dependent cardiotoxicity of terodiline in patients treated for urinary incontinence *S H L Thomas, P D Higham, K Hartigan-Go, F Kamali, P Wood, R W F Campbell, G A Ford*

57 Corrected transposition of the great arteries without associated defects in adult patients: clinical profile and follow up *P Presbitero, J Somerville, F Rabajoli, S Stone, M R Conte*

60 Diagnosis of congenital pericardial defects, including a pathognomic sign for dangerous apical ventricular herniation, on magnetic resonance imaging *I Gassner, W Judmaier, C Fink, M Lener, F Waldenberger, H Scharfetter, I Hammerer*

67 Provocative testing and drug response in a patient with the long QT syndrome *M Kawade, T Ohe, T Kamiya*

Audit

71 Early discharge after acute myocardial infarction: risks and benefits *P Wilkinson, R Stevenson, K Ranjadayalan, B Marchant, R Roberts, A D Timmis*

76 Dual chamber pacing: how many patients remain in DDD mode over the long term? *B Ibrahim, J E Sanderson, B Wright, R Palmer*

Measurement

80 Interobserver variability in the detection of spontaneous echo contrast, left atrial thrombi, and left atrial appendage thrombi by transoesophageal echocardiography *G Kronik, C Stöllberger, M Schuh, F Abzieher, J Slany, B Schneider*

84 Comparison of automatic QT measurement techniques in the normal 12 lead electrocardiogram *N B McLaughlin, R W F Campbell, A Murray*

Case reports

90 Coronary stenting in the management of myocardial ischaemia caused by muscle bridging *R H Stables, C J Knight, J G McNeill, U Sigwart*

93 Aortopulmonary collateral arteries mimicking symptomatic ductal shunting in a preterm infant *J R Skinner, E D Silove*

Short cases in cardiology

95 An intrathoracic lipoma impairing left ventricular function *C I A Jack, M E G Blohm, M Lye*

Images in cardiology (70) • Letters to the Editor • Notice

No 2 AUGUST 1995

Editorials

97 The case for concomitant carotid and coronary artery surgery *C W Akins*

99 The difficulties of assessing right ventricular function *P Oldershaw, A Bishop*

Commentary

101 Reinjection of thallium for detection of viable myocardium: why not do it immediately? *B L F van Eck-Smit, E E van der Wall*

Viewpoint

103 Echocardiographic detection of congenital heart disease in the fetus: present and future *L D Allan*

Review

107 Anticoagulants in pregnancy *C M Oakley*

Exemplar

112 Myocardial infarction resulting from coronary artery dissection in an adolescent with Ehlers-Danlos syndrome type IV due to a type III collagen mutation *L C Adès, R D Waltham, A A Chiodo, J F Bateman*

Original articles

117 Efficacy of long-term anticoagulant treatment in subgroups of patients after myocardial infarction *P F M M van Bergen, J W Deckers, J J C Jonker, R T van Domburg, A J Azar, A Hofman*

122 Neutralising antibodies after streptokinase treatment for myocardial infarction: a persisting puzzle *K McGrath, C Hogan, D Hunt, C O'Malley, N Green, R Dauer, A Dalli*

124 Long-term prognostic significance of M mode echocardiography in young men after myocardial infarction *S V Eriksson, K Caidahl, A Hamsten, U de Faire, A Szamosi, N Rehnqvist, K Lindvall*

131 Early reactivation of ischaemia after abrupt discontinuation of heparin in acute myocardial infarction *G Di Tano, A Mazzù*

134 Influence of plaque morphology on the mechanism of luminal enlargement after directional coronary atherectomy and balloon angioplasty *F Marsico, J Kubica, S De Servi, L Angoli, E Bramucci, A M Costante, G Specchia*

140 Effects of β receptor antagonists in patients with clinical evidence of heart failure after myocardial infarction: double blind comparison of metoprolol and xamoterol *H Persson, E Rythe'n-Alder, A Melcher, L Erhardt*

149 Atrial arrhythmias and pacing after orthotopic heart transplantation: bicaval versus standard atrial anastomosis *S C D Grant, M A Khan, E B Faragher, N Yonan, N H Brooks*

154 Squatting revisited: comparison of haemodynamic responses in normal individuals and heart transplantation recipients *P Hanson, P R Slane, P A Rueckert, S V Clark*

159 Relation between QT and RR intervals in patients with bradyarrhythmias *S Ishida, N Takahashi, M Nakagawa, T Fujino, T Saikawa, M Ito*

163 Assessment of magnetic resonance velocity mapping of global ventricular function during dobutamine infusion in coronary artery disease *D J Pennell, D N Firmin, P Burger, G Z Yang, C C Manzara, P J Ell, R H Swanton, J M Walker, S R Underwood, D B Longmore*

171 Familial dilated cardiomyopathy: a worse prognosis compared with sporadic forms *M Csanády, M Högye, A Kallai, T Forster, T Szárazajtai*

174 Left ventricular morphology and diastolic function in uraemia: echocardiographic evidence of a specific cardiomyopathy *L Facchin, G Vescovo, G Levedianos, L Zannini, M Nordio, S Lorenzi, G Caturelli, G B Ambrosio*

180 Implication of anterior septal malalignment in isolated ventricular septal defect *M-H Wu, J-K Wang, C-I Chang, I-S Chiu, H-C Lue*

Technique

186 Assessment of the right ventricular regional contraction and comparison with the left ventricle in normal humans: a cine magnetic resonance study with presaturation myocardial tagging *H Naito, J Arisawa, K Harada, H Yamagami, T Kozuka, S Tamura*

Audit

192 Antenatal diagnosis of congenital heart disease and Down's syndrome: the potential effect on the practice of paediatric cardiology *M Abu-Harb, J Wyllie, E Hey, S Richmond, C Wren*

Case reports

199 Emergency coronary artery stenting for coronary dissection complicating diagnostic cardiac catheterisation *C Knight, R Stables, U Sigwart*

203 Left ventricular thrombi in a patient with the antiphospholipid syndrome *D Bruce, D Bateman, R Thomas*

Short cases in cardiology

204 Right sided pectoral implantation of an "active can" transvenous implantable cardioverter-defibrillator with single right ventricular lead *I J Schofield, I Rankin, D H Bennett*

205 Lingual haematoma after treatment with alteplase (recombinant tissue plasminogen activator) for acute myocardial infarction *S R McMechan, B Morrow, N P S Campbell*

Correction

206 ACE inhibitors after myocardial infarction: patient selection or treatment for all? *H S J Lindsay, A G Zaman, J C Cowan*

Letters to the Editor • Notices

No 3 SEPTEMBER 1995

Editorials

207 The angiotensin converting enzyme gene in cardiovascular disease *M Caulfield, J Newell-Price*

209 Atrial fibrillation: the last challenge in interventional electrophysiology *F D Murgatroyd, A J Camm*

212 Cardiopulmonary resuscitation with active compression-decompression *C F M Weston*

Review

215 Is aspirin safe for patients with heart failure? *J G F Cleland, C J Bulpitt, R H Falk, I N Findlay, C M Oakley, G Murray, P A Poole-Wilson, C R M Prentice, G C Sutton*

Exemplar

220 Reversible ischaemia in hypertrophic cardiomyopathy *H Thomson, W Fong, W Stafford, M Frenneaux*

Original articles

224 Selection factors for the use of thrombolytic treatment in acute myocardial infarction: a population based study of current practice in the United Kingdom *D Ketley, K L Woods for the European Secondary Prevention Study Group*

229 Early remodelling of coronary stenoses after thrombolytic treatment in patients with acute myocardial infarction *D Tousoulis, F Andreotti, D Hackett, A W Haider, A Maseri, G Davies*

235 Metoprolol treatment for two years after coronary bypass grafting: effects on exercise capacity and signs of myocardial ischaemia *H Sjöland, K Caidahl, L Lurje, Á Hjalmarson, J Herlitz*

242 Diastolic aortic pressure rise during percutaneous transluminal coronary angioplasty: an index of left ventricular systolic dysfunction *I A Paraskevaidis, Z S Kyriakides, A K Kassimatis, T P Apostolou, G K Kalopisis, D Th Kremastinos*

247 Non-invasive measurement of human endothelium dependent arterial responses: accuracy and reproducibility *K E Sorensen, D S Celermajer, D J Spiegelhalter, D Georgakopoulos, J Robinson, O Thomas, J E Deanfield*

254 Atrial and ventricular function after cardioversion of atrial fibrillation *C Xiong, C Sonnhag, E Nylander, B Wranne*

261 Prospective study of left ventricular function after radiofrequency ablation of atrioventricular junction in patients with atrial fibrillation *M Edner, K Caidahl, L Bergfeldt, B Darpö, N Edvardsson, M Rosenqvist*

268 Perinodal slow potential as a local guide for transcatheter radiofrequency ablation of atrioventricular nodal reentrant tachycardia: therapeutic efficacy and electrophysiological mechanisms of success *J-L Lin, F-Y Lin, H-M Lo, C-D Tseng, T-F Cheng, J-J Chen, Y-Z Tseng, W-P Lien*

277 Determination of left ventricular mass in systemic hypertension: comparison of standard and signal averaged electrocardiography *D Lacroix, M Abi Nader, C Savoye, D Klug, R Logier, S Kacet, J Lekieffre*

282 Late systemic desaturation after total cavopulmonary shunt operations *O Stümper, J G C Wright, M Sadiq, J V De Giovanni*

287 Right ventricular filling in dilated cardiomyopathy *S Fujimoto, K H Parker, D G Gibson*

293 Ventricular tachycardia during exercise testing as a predictor of sudden death in patients with chronic chagasic cardiomyopathy and ventricular arrhythmias *A A V de Paola, J A Gomes, A B Terzian, M H Miyamoto, E E Martinez Fo*

296 A study of spontaneous echo contrast in patients with rheumatic mitral stenosis and normal sinus rhythm: an Indian perspective *R R Kasliwal, S Mittal, A Kanojia, R P Singh, O Prakash, M L Bhatia, N Trehan*

300 Single catheter approach for occlusion of a patent arterial duct with a Rashkind double umbrella *S E Abrams, K P Walsh, E A McDonald, A E Boothroyd*

305 The earliest site of atrial activation in patients with isomeric appendages *H Uemura, T Yagihara, Y Kawashima, K Okada, R H Anderson*

Audit

310 Percutaneous transluminal coronary angioplasty in patients 70 years of age or older: 12 years' experience *K H Tan, N Sulke, N Taub, S Karani, E Sowton*

Epidemiology

318 Like father like son? Sons of patients of European or Indian origin with coronary artery disease reflect their parents' risk factor patterns *N Shaukat, D P de Bono, D R Jones*

324 Factors determining case fatality in myocardial infarction "Who dies in a heart attack?" *G Wannamethee, P H Whincup, A G Shaper, M Walker, P W MacFarlane*

Case report

332 Reversibility of tachycardia-induced cardiomyopathy after radiofrequency ablation of incessant supraventricular tachycardia in infants *C Sanchez, F Benito, F Moreno*

Short cases in cardiology

334 50 years of tachycardia *D C Lindsay, C J Garratt, E Rowland*

Correction

331 Cardiac pacing: the service should be as local as the anaesthetic *D Pitcher*

Notices (331)

No 4 OCTOBER 1995

Editorials

335 Investigation in general practice of patients with suspected heart failure *M C Colquhoun, C Waine, M J Monaghan, A D Struthers, P G Mills*

337 New directions in anticoagulant and antiplatelet treatment *M L Simoons, J W Deckers*

341 Long-term complications of cardiac transplantation *J Parameshwar, P Schofield, S Large*

Review

343 Angiographic trials of lipid-lowering therapy: end of an era? *G R Thompson*

Original articles

348 Rescue thrombolysis: alteplase as adjuvant treatment after streptokinase in acute myocardial infarction *J P Mounsey, J S Skinner, T Hawkins, A F N MacDermott, S S Furniss, P C Adams, P J L Kesteven, D S Reid*

354 Thrombolytic treatment and proteinuria *M Lynch, N V Hoffmann, C N Aroney*

358 Dobutamine echocardiography and thallium-201 imaging predict functional improvement after revascularisation in severe ischaemic left ventricular dysfunction *R Senior, B Glenville, S Basu, B S Sridhara, E Anagnostou, R Stanbridge, S J Edmondson, C E Handler, E B Raftery, A Lahiri*

365 Serum lipoprotein(a) concentrations are related to coronary disease progression without new myocardial infarction *A Tamura, T Watanabe, Y Mikuriya, M Nasu*

370 Absence of circadian variation in the onset of acute myocardial infarction in diabetic subjects *S Fava, J Azzopardi, H Agius Muscat, F F Fenech*

373 Failure of "effective" treatment for heart failure to improve normal customary activity *J T Walsh, R Andrews, A Evans, A J Cowley*

377 Anatomical dead space, ventilatory pattern, and exercise capacity in chronic heart failure *A L Clark, T P Chua, A J S Coats*

381 Inspiratory muscle strength is a determinant of maximum oxygen consumption in chronic heart failure *T P Chua, S D Anker, D Harrington, A J S Coats*

386 Exercise ventilation after balloon dilatation of the mitral valve *A P Banning, N P Lewis, J S Elborn, R J C Hall*

390 Heart rate and respiratory rhythm dynamics on ascent to high altitude *L A Lipsitz, F Hashimoto, L P Lubowsky, J Mietus, G B Moody, O Appenzeller, A L Goldberger*

397 Comparison of dual chamber and ventricular rate responsive pacing in patients over 75 with complete heart block *M R Hargreaves, K M Channon, T R Cripps, M Gardner, O J M Ormerod*

403 Atrial electromechanical sequence in normal subjects and patients with DDD pacemakers *K Wang, H B Xiao, S Fujimoto, D G Gibson*

408 Favourable outcome in idiopathic ventricular fibrillation with treatment aimed at prevention of high sympathetic tone and suppression of inducible arrhythmias *H J G M Crijns, A C P Wiesfeld, J L Posma, K I Lie*

413 Optimal analysis of the signal averaged P wave in patients with paroxysmal atrial fibrillation *P J Stafford, D Robinson, R Vincent*

419 Early diastolic left ventricular inflow pressures in normal subjects and patients with dilated cardiomyopathy. Reconstruction from pulsed Doppler echocardiography *S Fujimoto, K H Parker, H B Xiao, K S K Inge, D G Gibson*

426 Myocardial calcium-independent nitric oxide synthase activity is present in dilated cardiomyopathy, myocarditis, and postpartum cardiomyopathy but not in ischaemic or valvar heart disease *A J de Belder, M W Radomski, H J Why, P J Richardson, J F Martin*

431 Reductions in muscle sympathetic nerve activity after long term metoprolol for dilated cardiomyopathy: preliminary observations *M A Rahman, K Hara, P A Daly, E D Wigle, J S Floras*

437 Morphology of the sinus node in human and mouse hearts with isomerism of the atrial appendages *S Y Ho, J-W Seo, N A Brown, A C Cook, N L K Fagg, R H Anderson*

443 Echocardiographic-anatomical correlations in aorto-left ventricular tunnel *A C Cook, N L K Fagg, S Y Ho, A M M Groves, G K Sharland, R H Anderson, L D Allan*

Epidemiology

449 Mortality in participants and non-participants of a multifactorial prevention study of cardiovascular diseases: a 28 year follow up of the Helsinki Businessmen Study *T E Strandberg, V V Salomaa, H T Vanhanen, V A Naukkarinen, S J Sarna, T A Miettinen*

Technique

455 Combined mechanical and thrombolytic treatment for totally occluded bypass grafts *C Lotan, M Mosseri, Y Rozenman, Y Hasin, M S Gotsman*

Measurement

460 In vitro validation of right ventricular volume measurement by three dimensional echocardiography *M Vogel, P A White, A N Redington*

Case reports

464 Chest pain during exercise as first manifestation of Friedreich's ataxia *P Ferrés-Sánchez, M Subirana-Domènech, M Torner-Soler*

468 Excessive numbers of skin cancers and pre-malignant skin lesions in an Australian heart transplant recipient *J N Bouwes Bavinck, I Robertson, R W Wainwright, A Green*

471 Probable right ventricular dysplasia and patent foramen ovale presenting with cyanosis and clubbing in a patient with characteristics of Noonan syndrome *P Wilmshurst, P Da Costa*

Short case in cardiology (470) · Letters to the editor · Notices

No 5 NOVEMBER 1995

Editorial

479 Non-surgical ablation of the ventricular septum for the treatment of hypertrophic cardiomyopathy *C M Oakley*

Viewpoint

481 How should we manage symptomatic aortic stenosis in the patient who is 80 or older? *D C Sprigings, J C Forfar*

Review

485 New concepts for interpretation of intracoronary velocity and pressure tracings *C Di Mario, R Gil, M Sunamura, P W Serruys*

Original articles

493 Reduced in-hospital mortality from acute myocardial infarction with general adoption of thrombolytic treatment in the North West Thames health region 1979–1991 *R A Greenbaum, R Morris, P Sritara, D Shanit, K L Chan*

497 *Helicobacter pylori* infection: relation with cardiovascular risk factors, ischaemic heart disease, and social class *L J Murray, K B Bamford, D P J O'Reilly, E E McCrum, A E Evans*

502 Effect of low-dose β blockers on atrial and ventricular (B type) natriuretic factor in heart failure: a double blind, randomised comparison of metoprolol and a third generation vasodilating β blocker *J E Sanderson, W W M Chan, Y T Hung, S K W Chan, I O L Shum, K Raymond, K S Woo*

508 Left ventricular chamber dilatation in hypertrophic cardiomyopathy: related variables and prognosis in patients with medical and surgical therapy *C Seiler, R Jenni, G Vassalli, M Turina, O M Hess*

517 Evidence that continuous normothermic blood cardioplegia offers better myocardial protection than intermittent hypothermic cardioplegia *E D Grech, M Baines, R Steyn, E B Faragher, R D Page, B M Fabri, D R Ramsdale, A Rashid*

522 Molecular detection and serotypic analysis of enterovirus RNA in archival specimens from patients with acute myocarditis *F Nicholson, J F Ajetunmobi, M Li, E A Shackleton, W G Starkey, S J Illavia, P Muir, J E Banatvala*

528 Assessment of the severity of coronary artery disease at postmortem examination. Are the measurements clinically valid? *J M Mann, M J Davies*

531 M mode and Doppler echocardiographic assessment of left ventricular diastolic function in primary antiphospholipid syndrome *N Coudray, D de Zuttere, O Blétry, J-C Piette, B Wechsler, P Godeau, J-C Pourny, Y Lecarpentier, D Chemla*

536 Non-invasive detection of left atrial mechanical failure in patients with left ventricular disease *K Wang, D G Gibson*

541 Atrial thrombi occurring during sinus rhythm in cardiac amyloidosis: evidence for atrial electromechanical dissociation *S Dubrey, A Pollak, M Skinner, R H Falk*

545 Aortic valve regurgitation caused by blunt chest injury *J F Obadia, E Tatou, M David*

548 Right to left interatrial communications after the modified Fontan procedure: identification and management with transcatheter occlusion *H Hsu, D G Nykanen, W G Williams, R M Freedom, L N Benson*

553 Electrophysiological properties of dual atrioventricular nodes in patients with right atrial isomerism *M-H Wu, J-L Lin, J-K Wang, I-S Chiu, M-L Young*

Audit

556 In-hospital audit underestimates early postoperative morbidity after cardiac surgery *I Birdi, M B Izzat, G D Angelini, A J Bryan*

Technique

559 Displaying the long-term progression of patients with coronary artery disease *C Sherlaw-Johnson, J Mitchard, S Gallivan, D L H Patterson, T Treasure*

563 Use of the reversed button device to treat an atrial septal aneurysm associated with a patent foramen ovale *V K Mehan, E B Sideris, B Meier*

Views from the past

566 The paintings of pathological anatomy by Sir Robert Carswell (1793–1857) *A Hollman*

Images in cardiology (527, 540) · Letters to the editor · Notices

No 6 DECEMBER 1995

Editorials

575 Preconditioning: a balanced perspective *K Przyklenk, R A Kloner*

578 Should balloon angioplasty be used instead of surgery for native aortic coarctation? *P S Rao*

Review

580 von Willebrand factor and its relevance to cardiovascular disorders *G Y H Lip, A D Blann*

Original articles

584 Angiotensin converting enzyme gene deletion allele is independently and strongly associated with coronary atherosclerosis and myocardial infarction *E Arbustini, M Grasso, R Fasani, C Klersy, M Diegoli, E Porcu, N Banchieri, P Fortina, C Danesino, G Specchia*

592 Can early closure and restenosis after endoluminal stenting be predicted from clinical, procedural, and angiographic variables at the time of intervention *E Eeckhout, G van Melle, J-C Stauffer, P Vogt, L Kappenberger, J-J Goy*

598 Autoimmunity to α myosin in a subset of patients with idiopathic dilated cardiomyopathy *J H Goldman, P J Keeling, R S Warraich, M K Baig, S R Redwood, L Dalla Libera, J E Sanderson, A L P Caforio, W J McKenna*

604 Prospective study of patients aged 55 years or less with acute myocardial infarction between 1981 and 1985: outcome 7 years and beyond *J S Skinner, C J Albers, J Goudevenos, C Fraser, O Odemuyiwa, R J C Hall, P C Adams*

611 Clinical significance of inferior ST elevation during acute anterior myocardial infarction *A Tamura, H Kataoka, K Nagase, Y Mikuriya, M Nasu*

615 Initial and subsequent angiographic outcome of percutaneous transluminal angioplasty performed on internal mammary artery grafts *N Ishizaka, Y Ishizaka, Y Ikari, T Ishiki, T Tamura, H Suma, T Yamaguchi*

620 Concentration of circulating plasma endothelin in patients with angina and normal coronary angiograms *J C Kaski, P M Elliott, O Salomone, K Dickinson, D Gordon, C Hann, D W Holt*

625 Plasma mediated neutrophil stimulation during coronary angioplasty: autocrine effect of platelet activating factor *T Siminiak, D J O'Gorman, M Shahi, D Hackett, D J Sheridan*

631 Interaction of ischaemia and encainide/flecainide treatment: a proposed mechanism for the increased mortality in CAST I *H M Greenberg, E M Dwyer Jr., J S Hochman, J S Steinberg, D S Echt, R W Peters*

636 Effect of low dose sotalol on the signal averaged P wave in patients with paroxysmal atrial fibrillation *P J Stafford, J Cooper, D P de Bono, R Vincent, C J Garratt*

641 Decreased platelet function in aortic valve stenosis: high shear platelet activation then inactivation *J R O'Brien, M D Etherington, J Brant, J Watkins*

645 Pseudoaneurysm following aortic homograft: clinical implications? *E Oechslin, T Carrel, M Ritter, Ch Attenhofer, L von Segesser, W Kiowski, M Turina, R Jenni*

650 Disopyramide stress test: a sensitive and specific tool for predicting impending high degree atrioventricular block in patients with bifascicular block *A Englund, L Bergfeldt, M Rosenqvist*

656 Transient reduction of human left ventricular mass in carnitine depletion induced by antibiotics containing pivalic acid *K Abrahamsson, M Mellander, B O Eriksson, E Holme, U Jodal, A Jönsson, S Lindstedt*

660 Appetite suppressants and primary pulmonary hypertension in the United Kingdom *S H L Thomas, A Y Butt, P A Corris, J J Egan, T W Higenbottam, B P Madden, P C Waller*

Technology

664 Left atrial size and function: assessment using echocardiographic automatic boundary detection *P B M Clarkson, N M Wheeldon, P O Lim, S D Pringle, T M MacDonald*

Technique

671 Long term results of fast pathway ablation in atrioventricular nodal reentry tachycardia using a modified technique *D Mehta, J A Gomes*

Measurement

676 Use of lead adjustment formulas for QT dispersion after myocardial infarction *J M Glancy, C J Garratt, K L Woods, D P de Bono*

Audit

680 Effect of the increasing use of coronary angioplasty on outcome at one year in patients with unstable angina *S De Servi, P Valentini, L Angoli, E Bramucci, P Barberis, G Mariani, G Specchia*

685 Hepatitis B immunisation among invasive cardiologists: poor compliance with United Kingdom guidelines *B D Prendergast, N P Andrews, A Thomas, L Davies, M McCabe, W J Penny*

689 Endovascular stents in children under 1 year of age: acute impact and late results *Y Hatai, D G Nykanen, W G Williams, R M Freedom, L N Benson*

Views from the past

696 Dr Black's favourite disease *A Evans*

Case reports

698 Radiofrequency current caused slowing of non-reentrant idiopathic right ventricular tachycardia originating from a wide arrhythmogenic area *M Chinushi, Y Aizawa, A Shibata*

700 Severe coronary vasospasm associated with hyperthyroidism causing myocardial infarction *N D Masani, D B Northridge, R J C Hall*

Corrections

688 Failure of "effective" treatment for heart failure to improve normal customary activity *J T Walsh, R Andrews, A Evans, A J Cowley*

Exercise ventilation after balloon dilatation of the mitral valve *A P Banning, N P Lewis, J S Elborn, R J C Hall*

Permanent pacemaker practice at a Scottish district general hospital between 1987 and 1994 *J G Doherty, F Dawson, F Kerr*

Index

704

Abstracts in cardiology (603) · Images in cardiology (675, 695) · Letters to the editor (702) · Notices (688)